For 1¼"φ anchor bolt use
1⁹⁄₁₆"φ hole in masonry and
sole plates 1⁵⁄₁₆"φ hole in washer.
For 1½"φ anchor bolt use
1¹³⁄₁₆"φ hole in masonry and
sole plates 1⁹⁄₁₆"φ hole in washer.

₵ of Brg.**

Note:
1. Nut not shown.
2. Pad and support
   not shown.
3. Additional anchor bolts
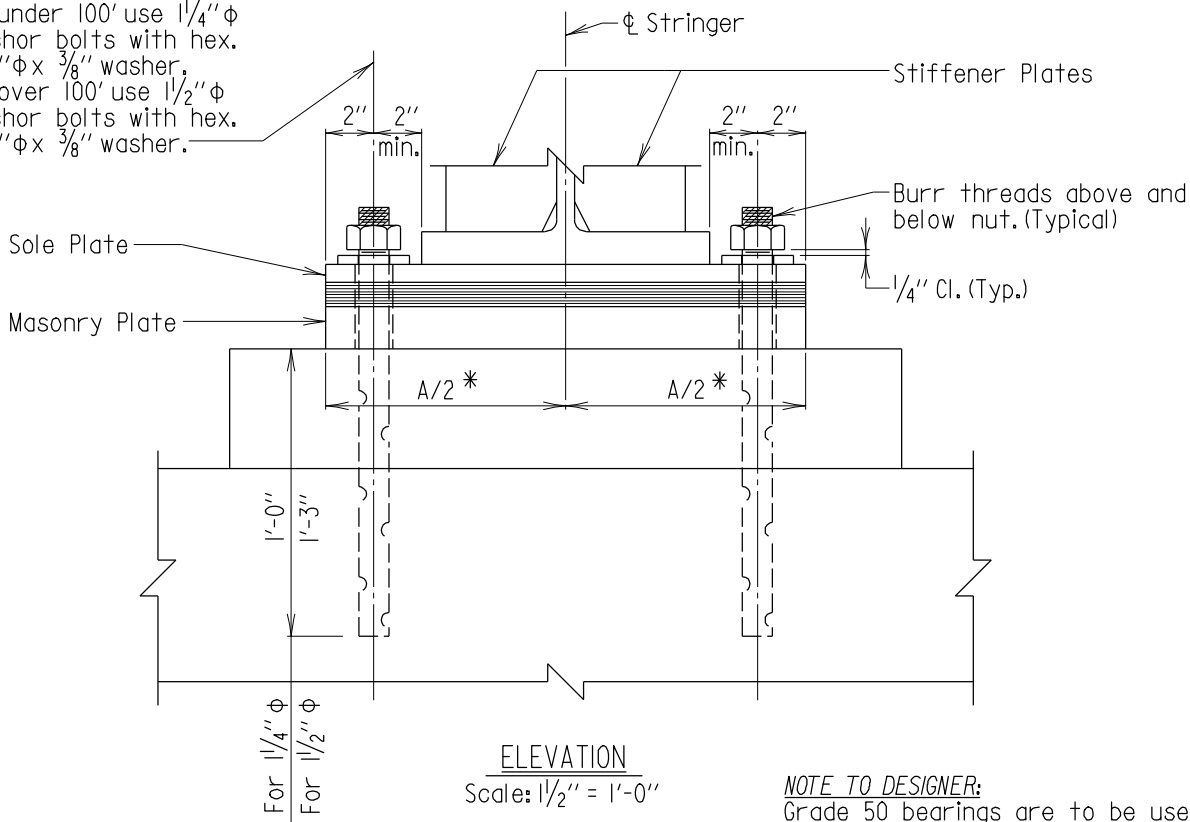   required for spans 150' or
   greater see sheet 3 of 3.

₵ Stringer

E   E

³⁄₈
³⁄₈

³⁄₁₆
³⁄₁₆

Wrap around edges
to meet ³⁄₈" fillet

B/2
B*
B/2

₵ Bearing Shoe **

For a continuous stringer
over a bearing, this
dimension is not applicable.
For a stringer terminating
at this bearing see details
elsewhere.

A/2   A/2
A*
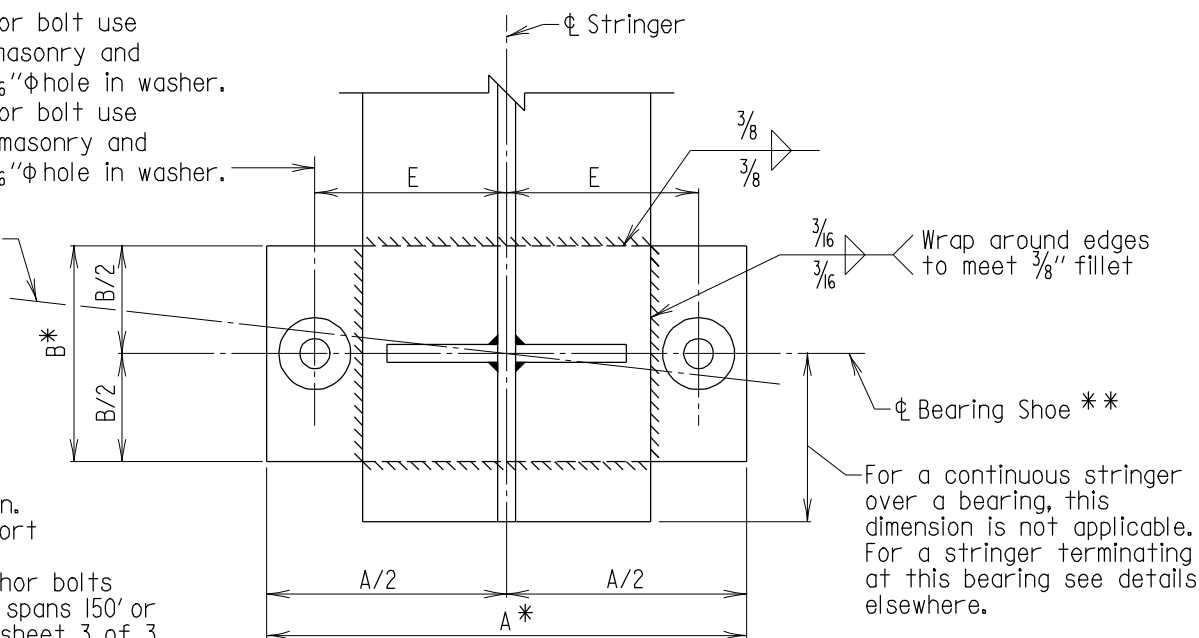
PLAN
Scale: 1½" = 1'-0"

For spans under 100' use 1¼"φ
swedge anchor bolts with hex.
nuts and 3"φ x ³⁄₈" washer.
For spans over 100' use 1½"φ
swedge anchor bolts with hex.
nuts and 3"φ x ³⁄₈" washer.

Sole Plate

Masonry Plate

₵ Stringer

2" 2"
min.

2" 2"
min.

Stiffener Plates

Burr threads above and
below nut. (Typical)

¼" Cl. (Typ.)

A/2*   A/2*

1'-0"
1'-3"

For 1¼" φ
For 1½" φ

ELEVATION
Scale: 1½" = 1'-0"

NOTE TO DESIGNER:
Grade 50 bearings are to be used
in new bridge projects.

* Edges may be left as cut or cast.

** Where bridge is not skewed, ₵ Brg. and
   ₵ shoe are coincident.

APPROVAL	
C.S. Friedman DIRECTOR OFFICE OF BRIDGE DEVEL	
DATE: 11/19/99	

REVISIONS	
SHA	FHWA
7-26-06	·
·	·

FHWA APPROVAL	
DATE: .	

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF BRIDGE DEVELOPMENT

FIXED BEARING
MEDIUM LENGTH SPANS
(GRADE 50 STEEL)

STANDARD NO. BR-SS(9.06)-99-336   SHEET ⊥ OF 3